

08/03/01
JC853 U.S. PTO

08-06-01

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BOX PATENT APPLICATION

Commissioner for Patents
Washington, D.C. 20231

UTILITY PATENT APPLICATION TRANSMITTAL
FILED UNDER 37 C.F.R. §1.53(b)

JC973 U.S. PTO
09/922366
08/03/01

Sir:

Transmitted herewith for filing is the patent application of:

Inventor(s): **Chris HEEGARD and Matthew B. SHOEMAKE**

Title: **JOINT EQUALIZATION AND DECODING USING A SEARCH-BASED DECODING ALGORITHM**

APPLICATION ELEMENTS:

- (1) ☒ Patent Application Specification, including Abstract and claims - 27 pages
(2) ☒ Seven (7) sheets of formal drawings, together with transmittal letter
(3) ☒ A check in the amount of \$830 to cover the ☒ filing fee (\$790.00) and/or ☒ Assignment Recordal Fee (\$40) is enclosed.
- ☐ Before calculating the fee, cancel claim(s)
☐ Before calculating the fee, see copy of Preliminary Amendment filed in parent application _____ (attached hereto.)

Basic Fee							\$	710.00
Multiple Dependent Claims (\$260.)								
Foreign Language Surcharge (\$130.)								
	For	No. Filed	-	No. Extra		Rate		
EXTRA	Total Claims	12	20	0	x	\$18.	=	\$ 0.00
CLAIMS	Independent Claims	4	3	1	x	\$80.	=	\$ 80.00
TOTAL FILING FEE							=	\$ 790.00

- ☒ The Commissioner is hereby authorized to charge any deficiency in the payment of the required fee(s) or credit any overpayment to Deposit Account No. 50-0625.

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- (4) ☒ Declaration and Power of Attorney form -- 2 pages
- a. ☒ Newly executed
 - b. ☐ Copy from a prior application
 - c. ☐ Deletion of inventor(s) -- signed statement attached deleting inventor(s) named in the prior application.
- (5) ☐ Small Entity Status

ACCOMPANYING APPLICATION PARTS:

- (6) ☒ Assignment document
- a. ☒ Newly executed (with \$40.00 recordal fee) and separate transmittal Form PTO-1595
 - b. ☐ Copy from a prior application
 - c. ☒ Please include assignee information when this application is published
Assignee: TEXAS INSTRUMENTS INCORPORATED
7839 Churchill Way
Dallas, TX 75251
- (7) ☐ Preliminary Amendment
- (8) ☐ Certified Copy of Priority Document, together with separate transmittal letter
- (9) ☐ Information Disclosure Statement, together with PTO Form 1449 and copies of cited references
- (10) ☒ Return receipt postage prepaid postcard
- (11) ☒ Express Mail Certificate (Mailing Label No. EL 827616645 US)
- (12) ☒ Patent Application Data Entry Form
- (13) ☐ Other:
- a. ☐

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- (14) [] If a **CONTINUING APPLICATION**, check appropriate box, and supply the requisite information below:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)

of prior application no.:

Prior application information:

Examiner: _____ Group/Art Unit: _____

Status: _____

FOR CONTINUATION or DIVISIONAL APPLICATIONS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under paragraph 4(b) above, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

- (15) [] Please amend the specification by inserting before the first line the sentence:

- (16) [X] **This application claims the benefit of U.S. Provisional Patent Application No. 60/226,161 filed on August 18, 2000.**

- (17) [X] Correspondence address:
J. Dennis Moore
Texas Instruments
Mail Station 3999
P.O. Box 655474
Dallas, TX 75265
Telephone: (972) 917-5646

Respectfully submitted,



Barry R. Lipsitz
Attorney for Applicant(s)
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Monroe, CT 06468
(203) 459-0200

ATTORNEY DOCKET NO.: ALA-110
Date: August 3, 2001

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Heegard et al.

Application No.:

Filed: Herewith

For: **JOINT EQUALIZATION AND DECODING USING A SEARCH-BASED DECODING
ALGORITHM**

BOX PATENT APPLICATION

Commissioner for Patents
Washington, D.C. 20231

EXPRESS MAIL CERTIFICATE

"Express Mail" mailing label number: EL 827616645 US

Date of Deposit: August 3, 2001

I hereby certify that the attached:

- ☒ Check in the amount of \$830 (Filing fee (\$790) and recordal fee (\$40));
- ☒ Return receipt postage prepaid postcard;
- ☒ Transmittal letter for new patent application;
- ☒ Patent Application Specification, including Abstract and Claims (27 pages);
- ☒ Seven (7) sheets of formal drawings, together with transmittal letter;
- ☒ Declaration and Power of Attorney form;
- ☒ Assignment, together with Form PTO-1595;
- ☒ Patent Application Data Entry Form.

are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to: **BOX PATENT APPLICATION, Commissioner for Patents, Washington, D.C. 20231**

Michele Hollis

(Typed or printed name of person mailing paper or fee)

Michele Hollis
(Signature of person mailing paper or fee)

Respectfully submitted,

Barry R. Lipsitz

Barry R. Lipsitz
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Date: **August 3, 2001**

ATTORNEY DOCKET NO.: **ALA-110**

P A T E N T

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Heegard et al.

Application No.:

Filed: Herewith

For: **JOINT EQUALIZATION AND DECODING USING A SEARCH-BASED DECODING
ALGORITHM**

DRAWING REVIEW BRANCH

Commissioner for Patents
Washington, D.C. 20231

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as Express Mail (No. EL 827616645 US) addressed to BOX PATENT APPLICATION, Commissioner for Patents, Washington, D C. 20231 on August 3, 2001.

By: Michele Hollis

Michele Hollis

TRANSMITTAL OF FORMAL DRAWINGS

Dear Sir:

Enclosed are seven (7) sheets of formal drawings for filing in the above-referenced patent application.

Please advise the undersigned attorney if correction is necessary.

Respectfully submitted,



Barry R. Lipsitz
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755 Main Street, Building 8
Monroe, CT 06468
(203) 459-0200

Date: August 3, 2001

ATTORNEY DOCKET NO.: ALA-110